

5 Figure 2. Lexical structure tree of the phonetic symbol strings of
Pin-Yin system.

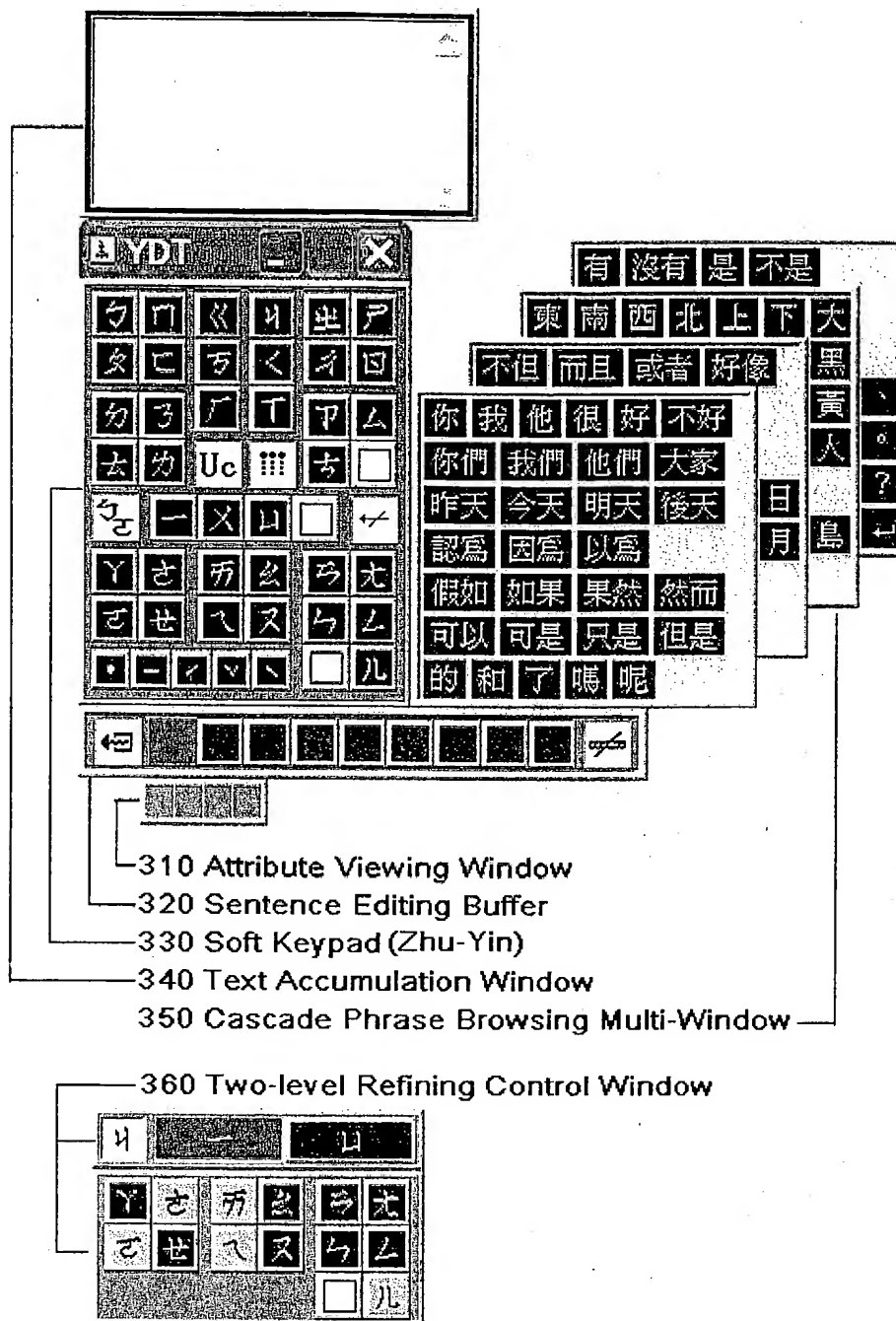
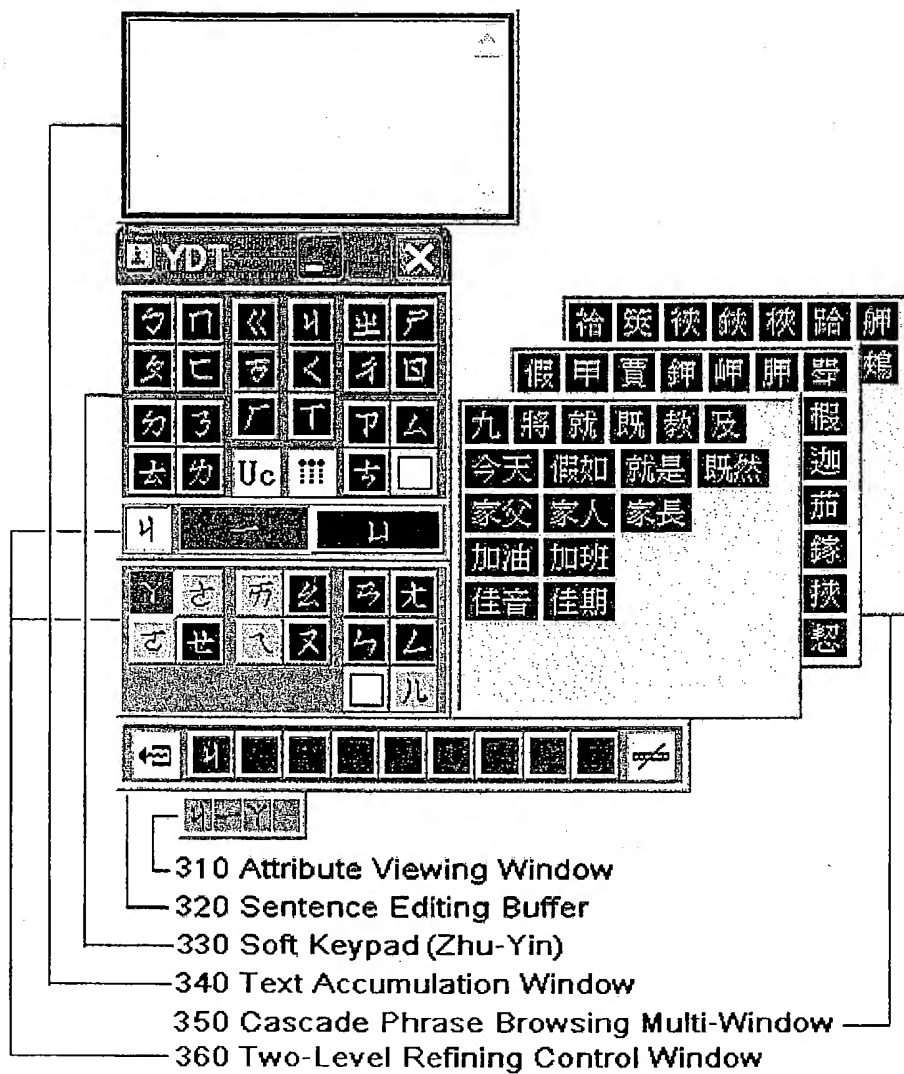


Figure 3. System components (Zhu-Yin system).



5 Figure 4. System components with window overlapping in actual use.

(Zhu-Yin system)

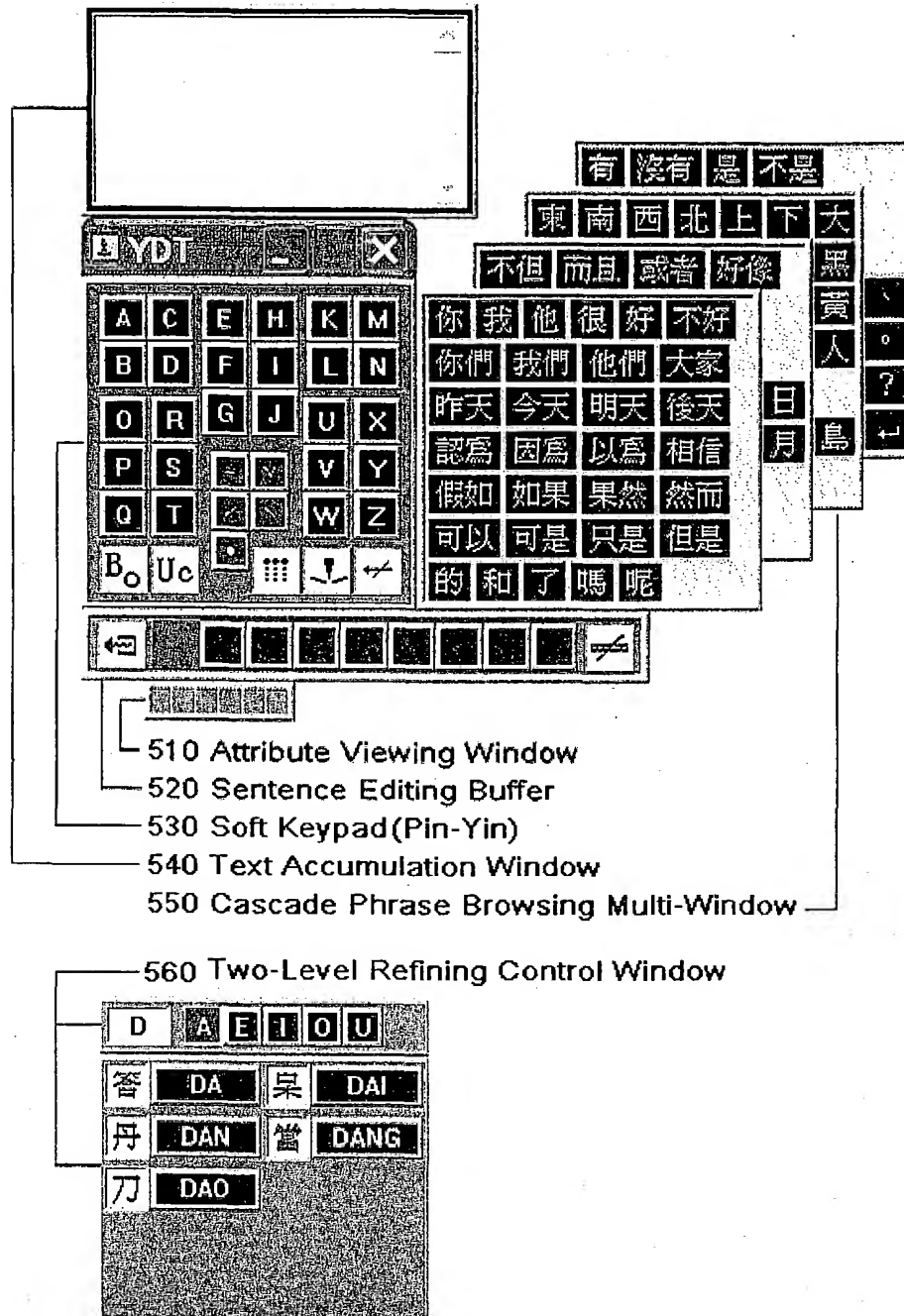


Figure 5. System components (Pin-Yin system).

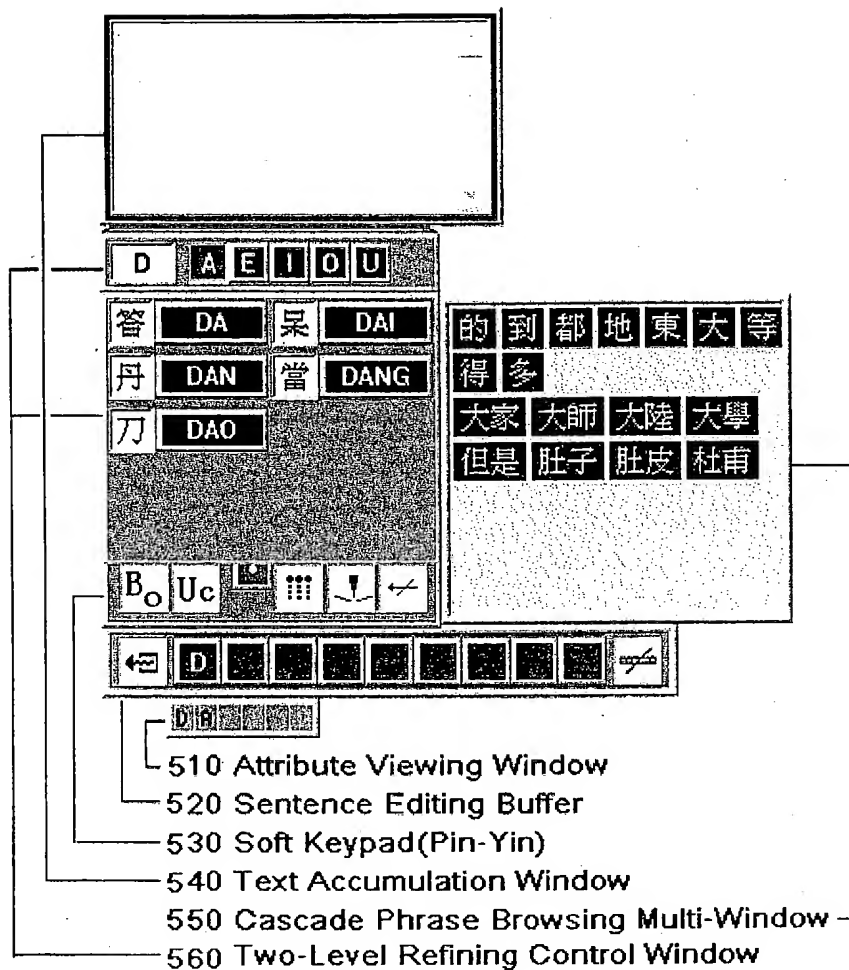


Figure 6. System components with window overlapping in actual use.

(Pin-Yin system)

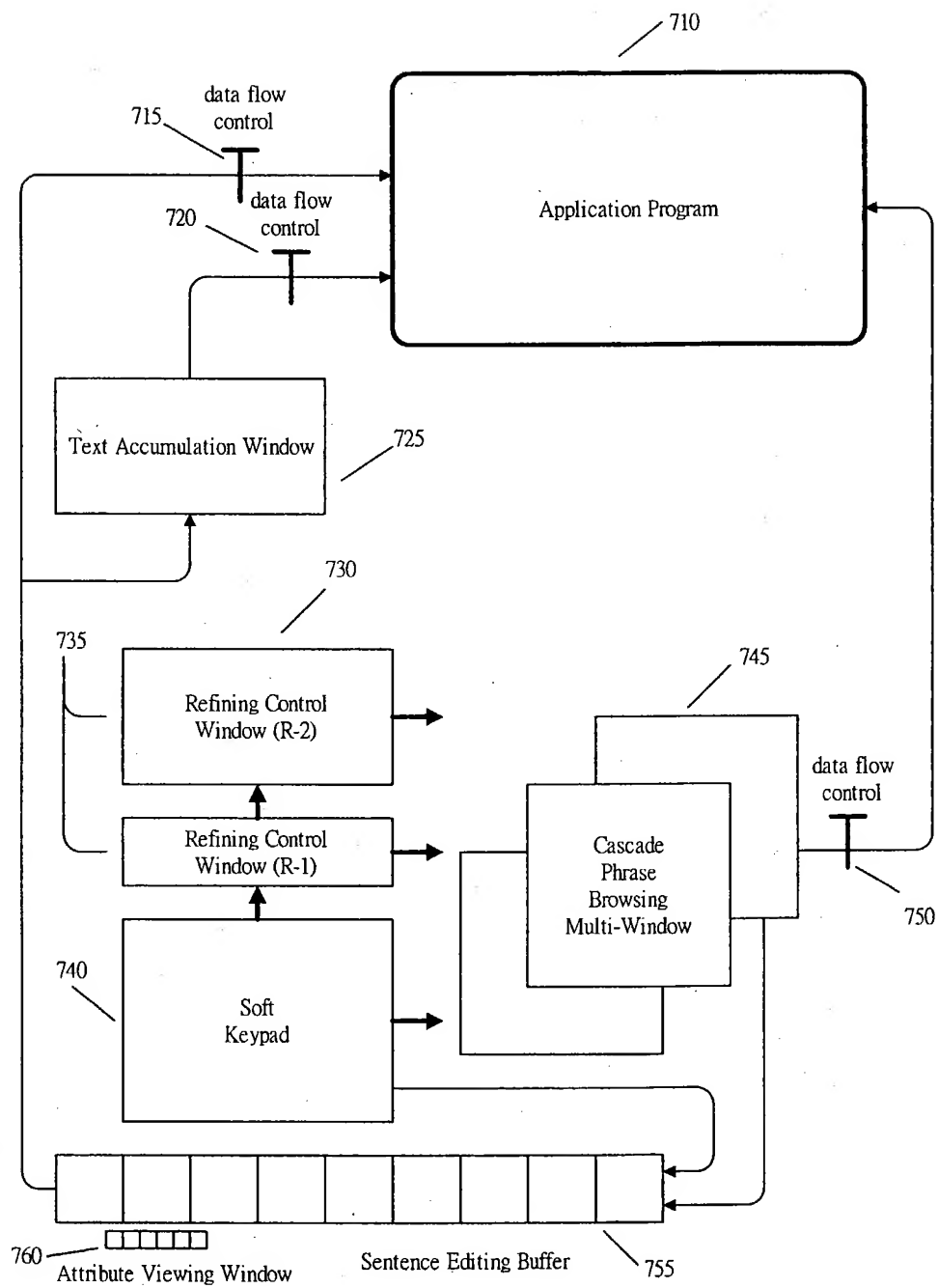
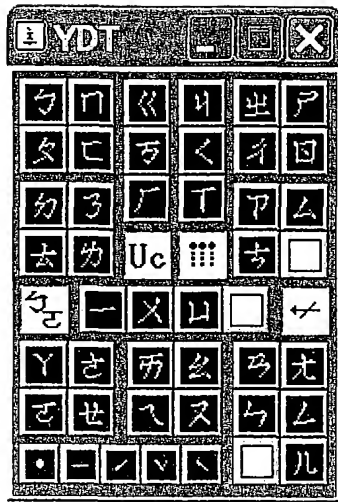
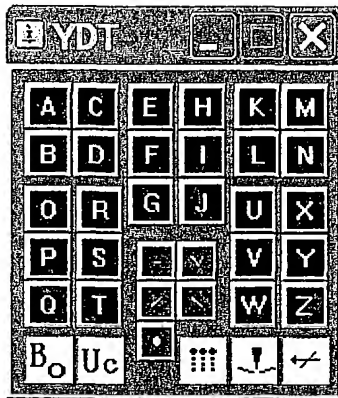


Figure 7. Control paths and data flow.



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Figure 8. Layout of the Zhu-Yin Keypad.



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Figure 9. Layout of the Pin-Yin Keypad.

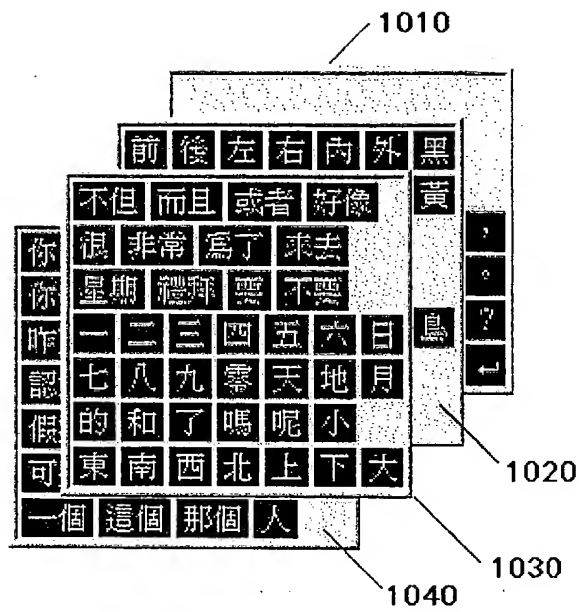


Figure 10. Cascade Phrase Browsing Multi-Window.

phrase length	1	2	3	4	5	6	7	8	9
# phrases	100	50	30	20	20	10	10	10	10

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Figure 11. The number of phrases that can be fitted into one window page
of size equal to 10x10 words.



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Figure 12. Sentence Editing Buffer.

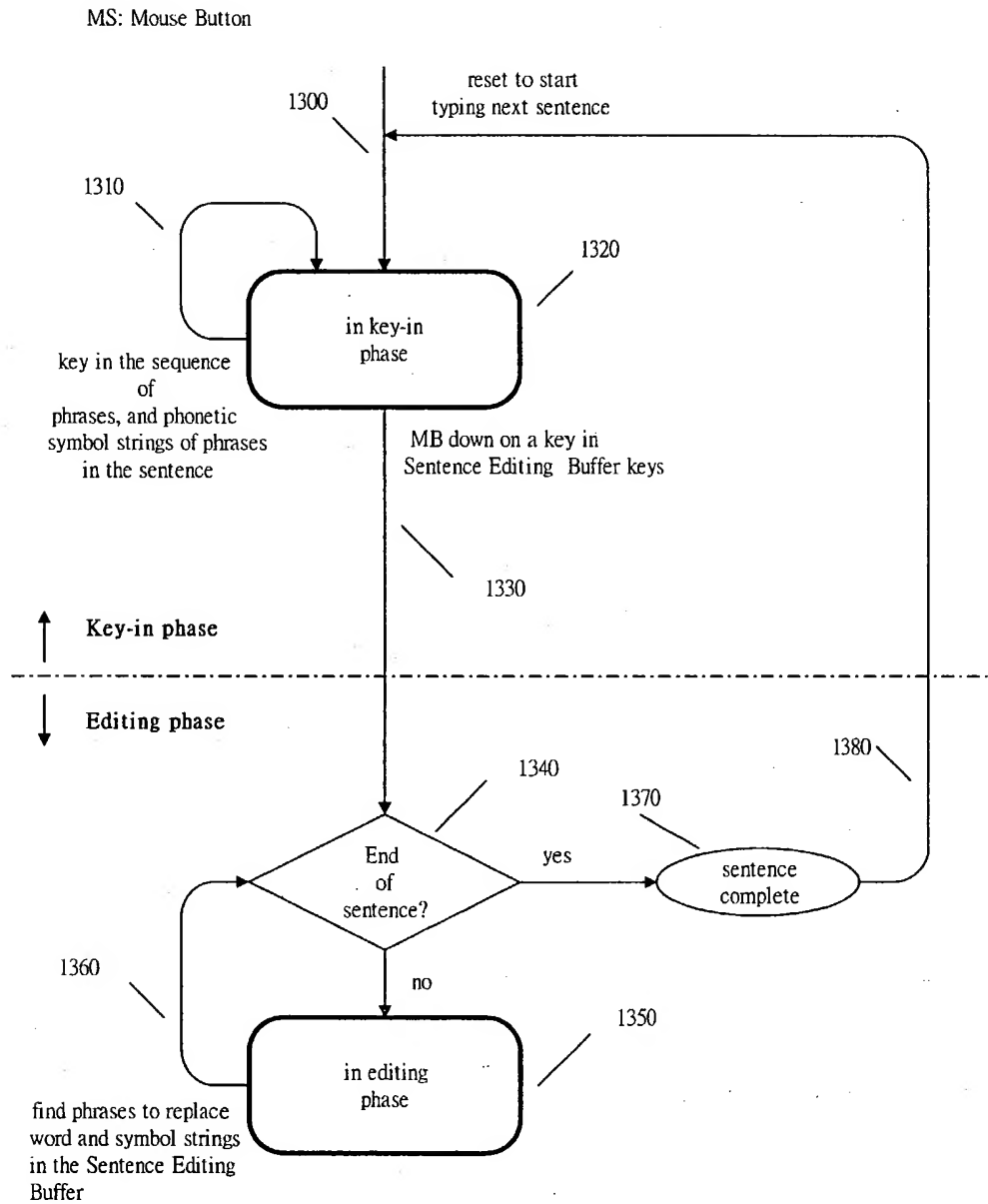


Figure 13. Two-Phase Sentence Generation Procedure.

310 (510)



1410

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Figure 14. Attribute Viewing Window.

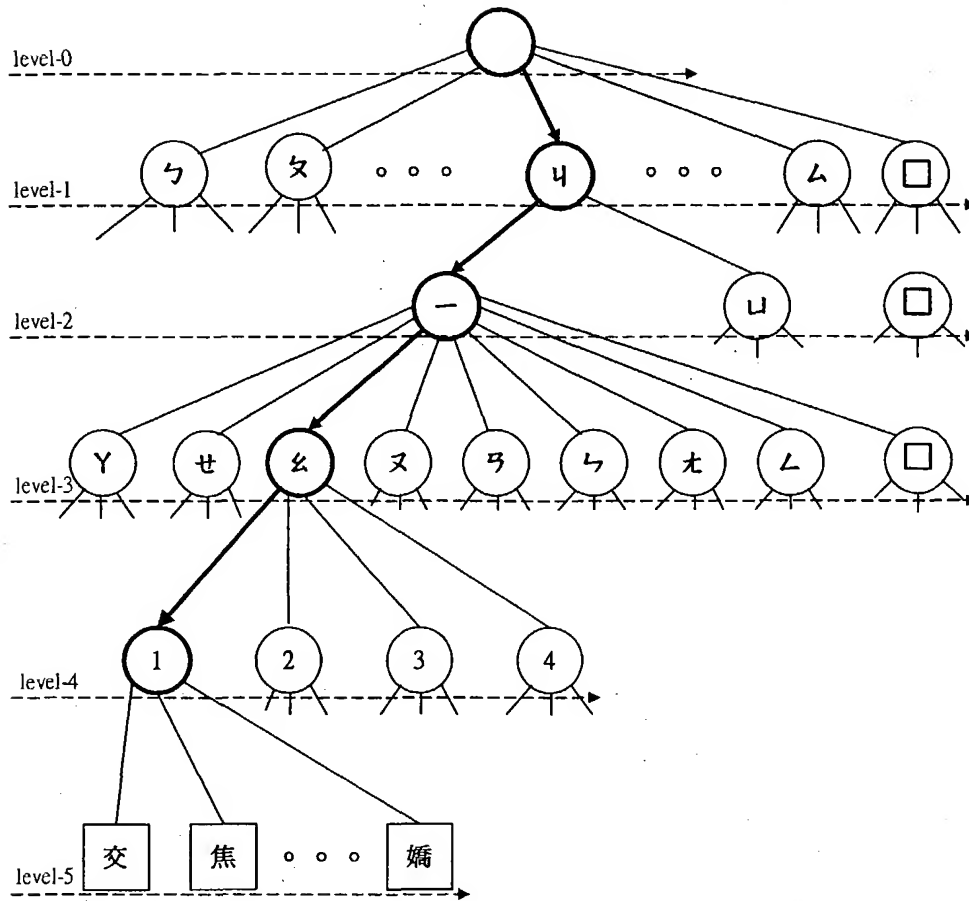
340 (540)



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Figure 15. Text Accumulation Window.

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Figure 16. Traversing on the Lexical Structure Tree.

(Zhu-Yin system)

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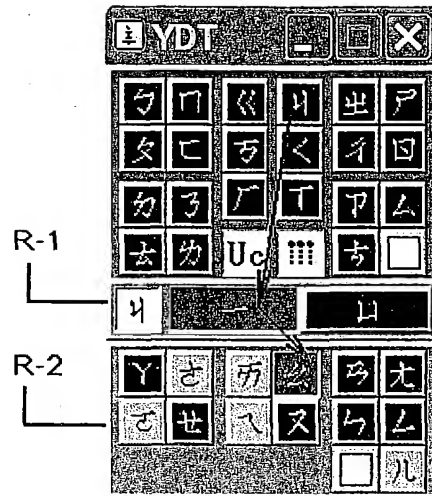


Figure 17. Press-Touch-Release (PTR) operation on the Zhu-Yin Keypad
and the R-1 and R-2 window panels.

MB: Mouse Button

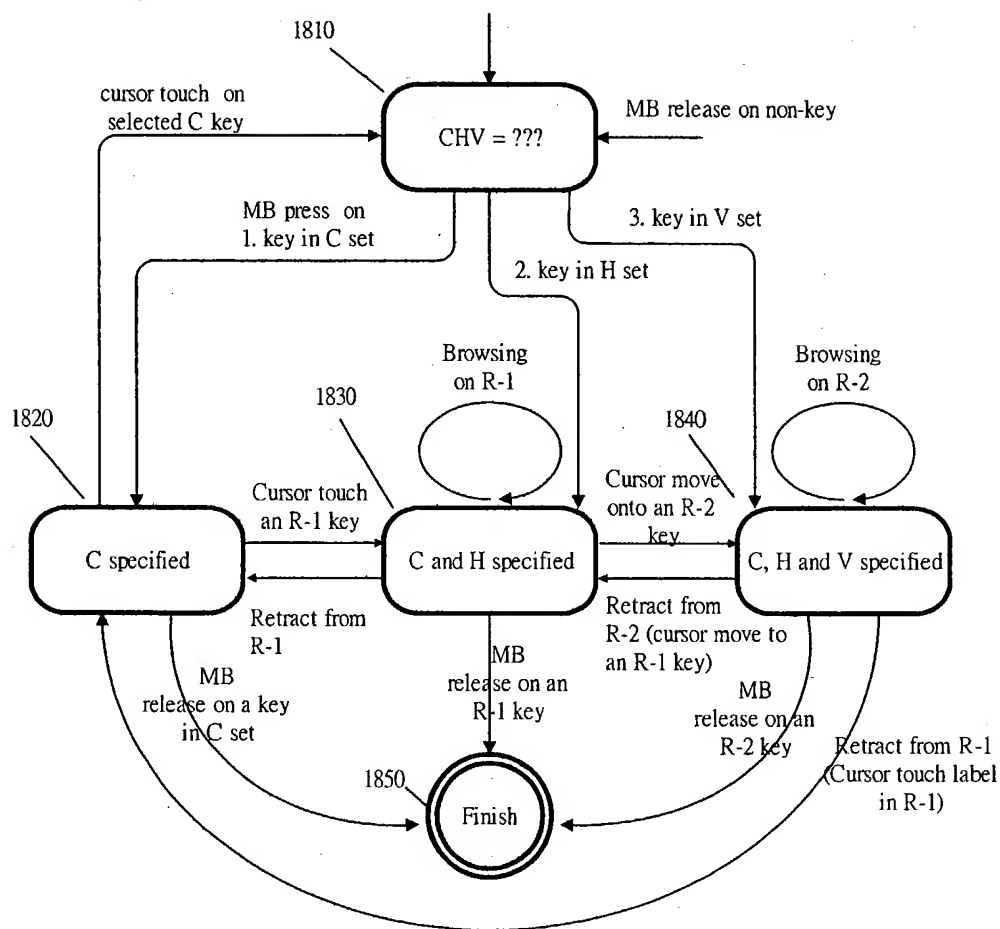
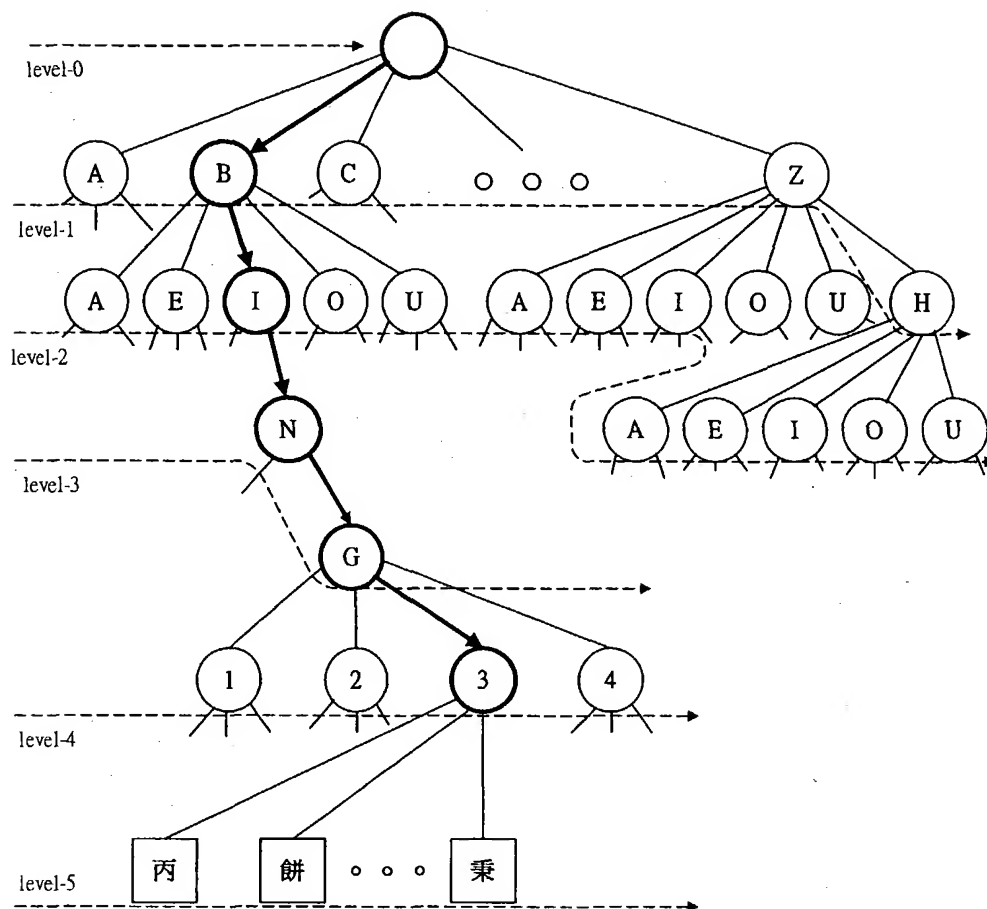


Figure 18. Flow Chart of the PTR operation on the Zhu-Yin Keypad

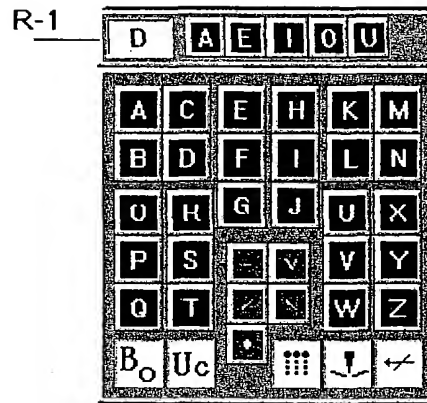
and the R-1 and R-2 panels.



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Figure 19. Traversing on the Lexical Structure Tree.

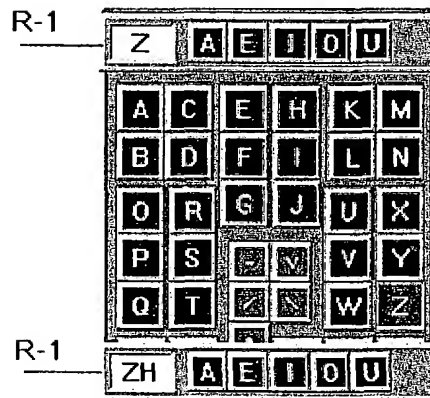
(Pin-Yin system)



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Figure 20. R-1 Refining Control Panel of "D".

(Pin-Yin system)



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Figure 21. R-1 Refining Control Panels of "Z" and "ZH".

(Pin-Yin system)

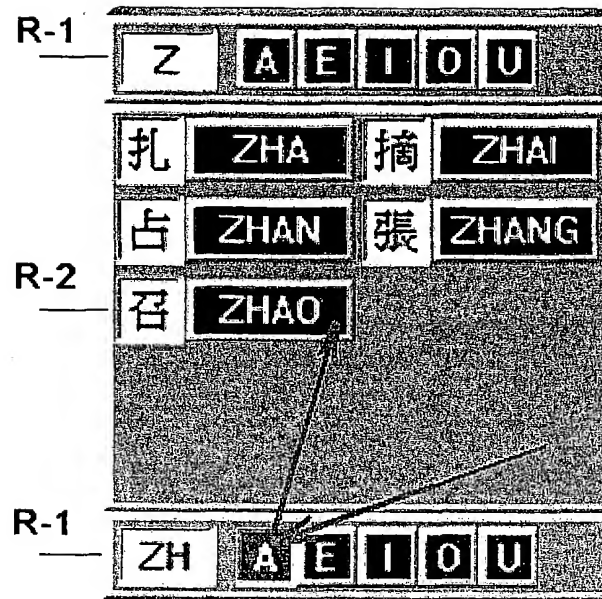


Figure 22. Press-Touch-Release operation on the Pin-Yin Keypad
and the R-1 and R-2 Panels.

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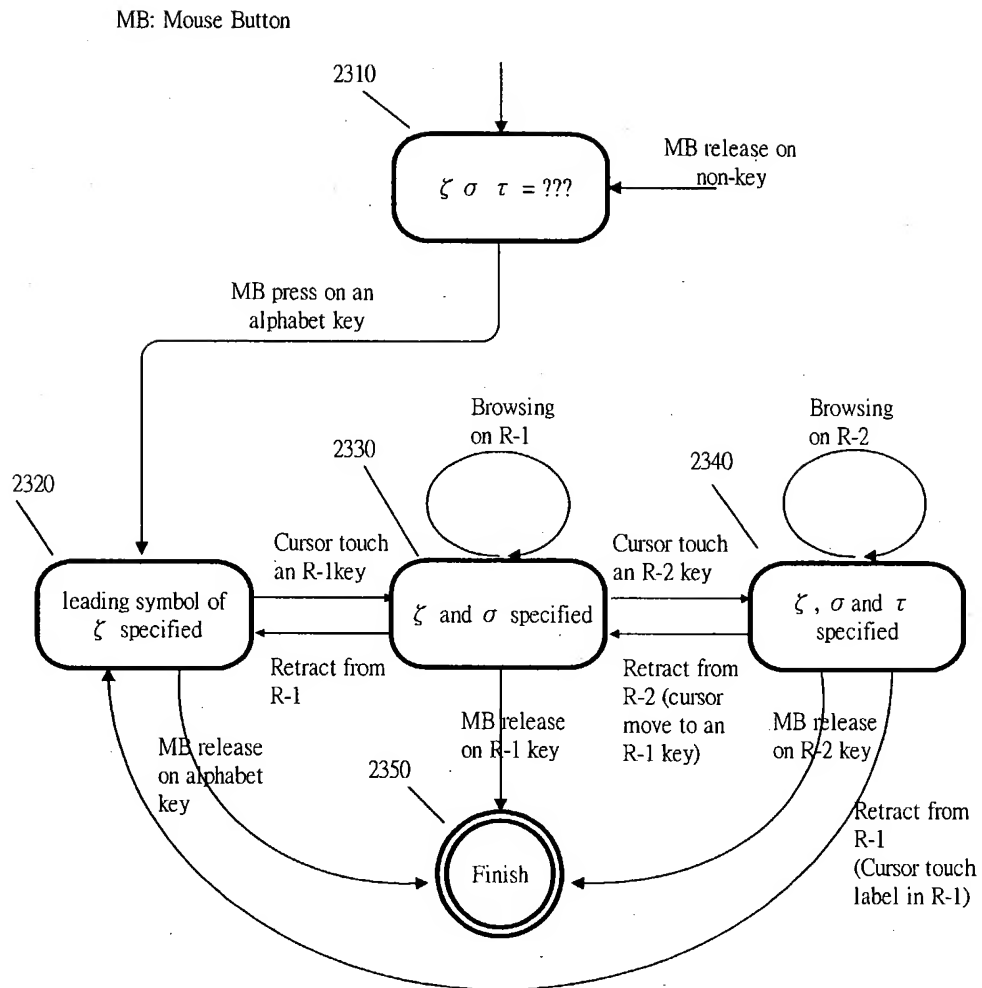


Figure 23. Flow Chart of the PTR operation on the Pin-Yin Keypad and the R-1 and R-2 panels.

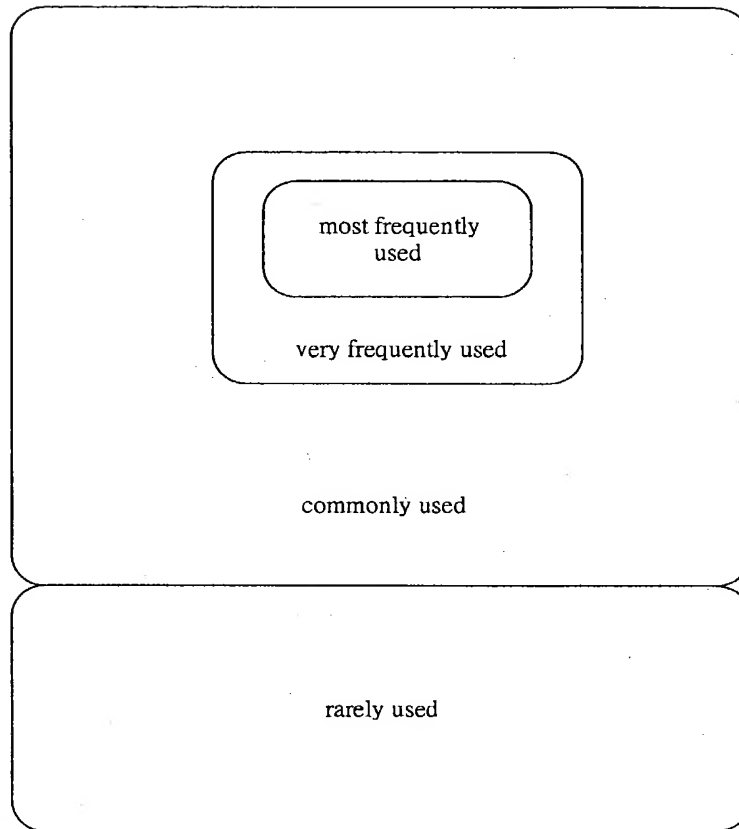


Figure 24. Multi-level frequency-based phrase classification scheme.

phrase length	1	2	3	4	5	6	7	8	9
# phrases	3700	1850	1110	740	740	370	370	370	370

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Figure 25. The number of phrases of the very frequently used phrase set that can be presented with a 10x10 words page in Multi-Window (Zhu-Yin system).

phrase length	1	2	3	4	5	6	7	8	9
# phrases	2600	1300	780	520	520	260	260	260	260

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Figure 26. The number of phrases of the very frequently used phrase set that can be presented with a 10x10 words page in Multi-Window (Pin-Yin system).

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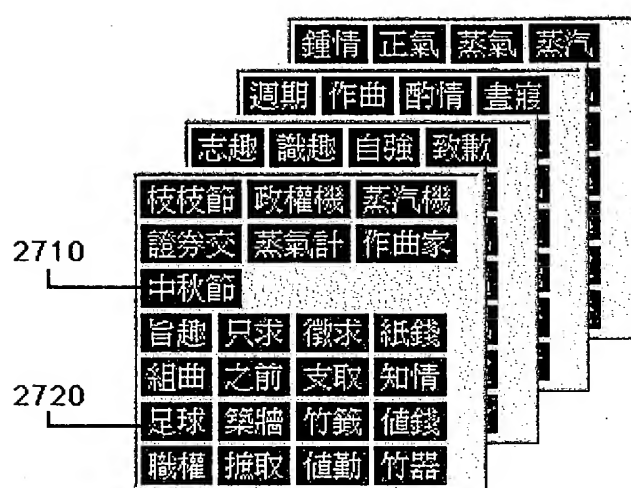


Figure 27. Varied-length phrase presentation in Multi-Window.

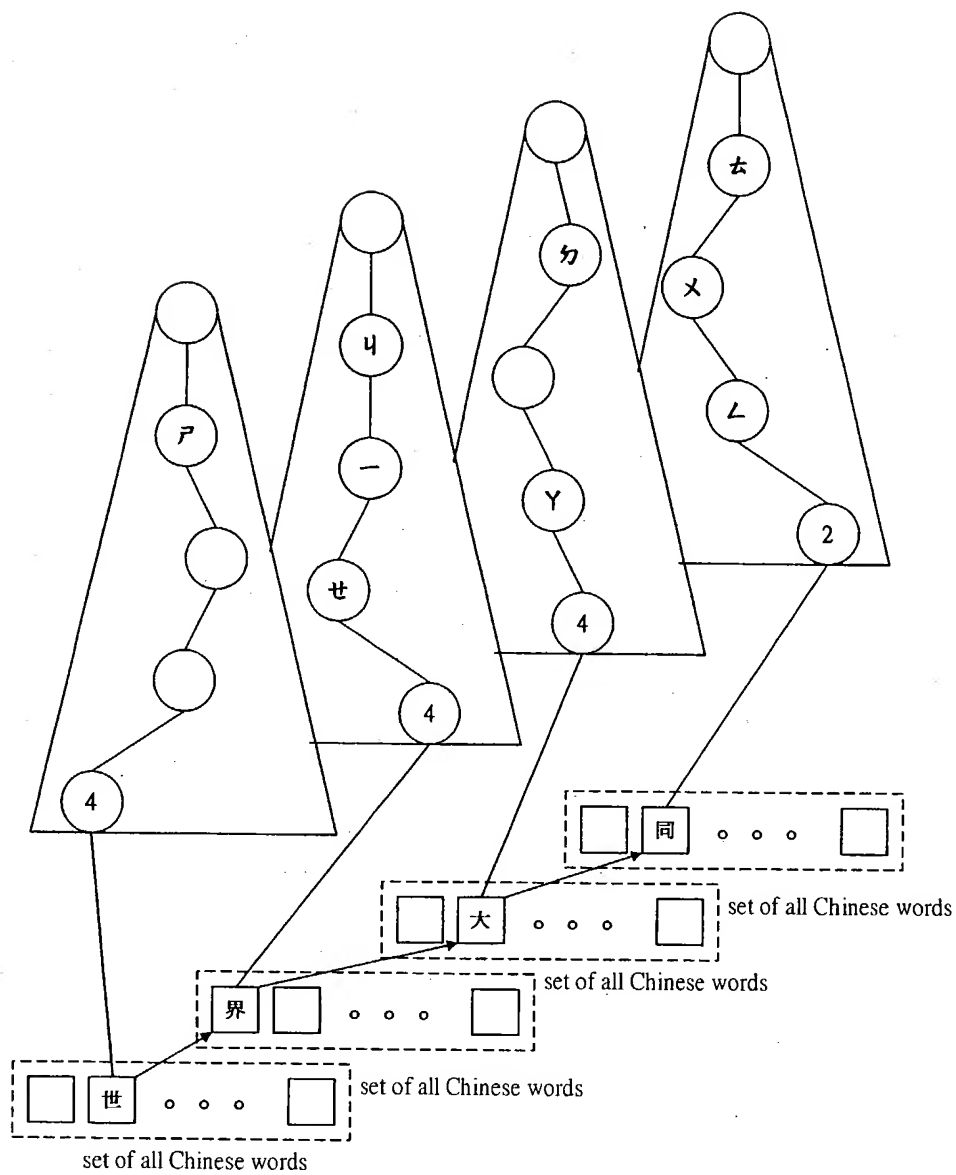


Figure 28. Relation diagram between the lexical structure trees
of the phonetic symbol strings and Chinese words.

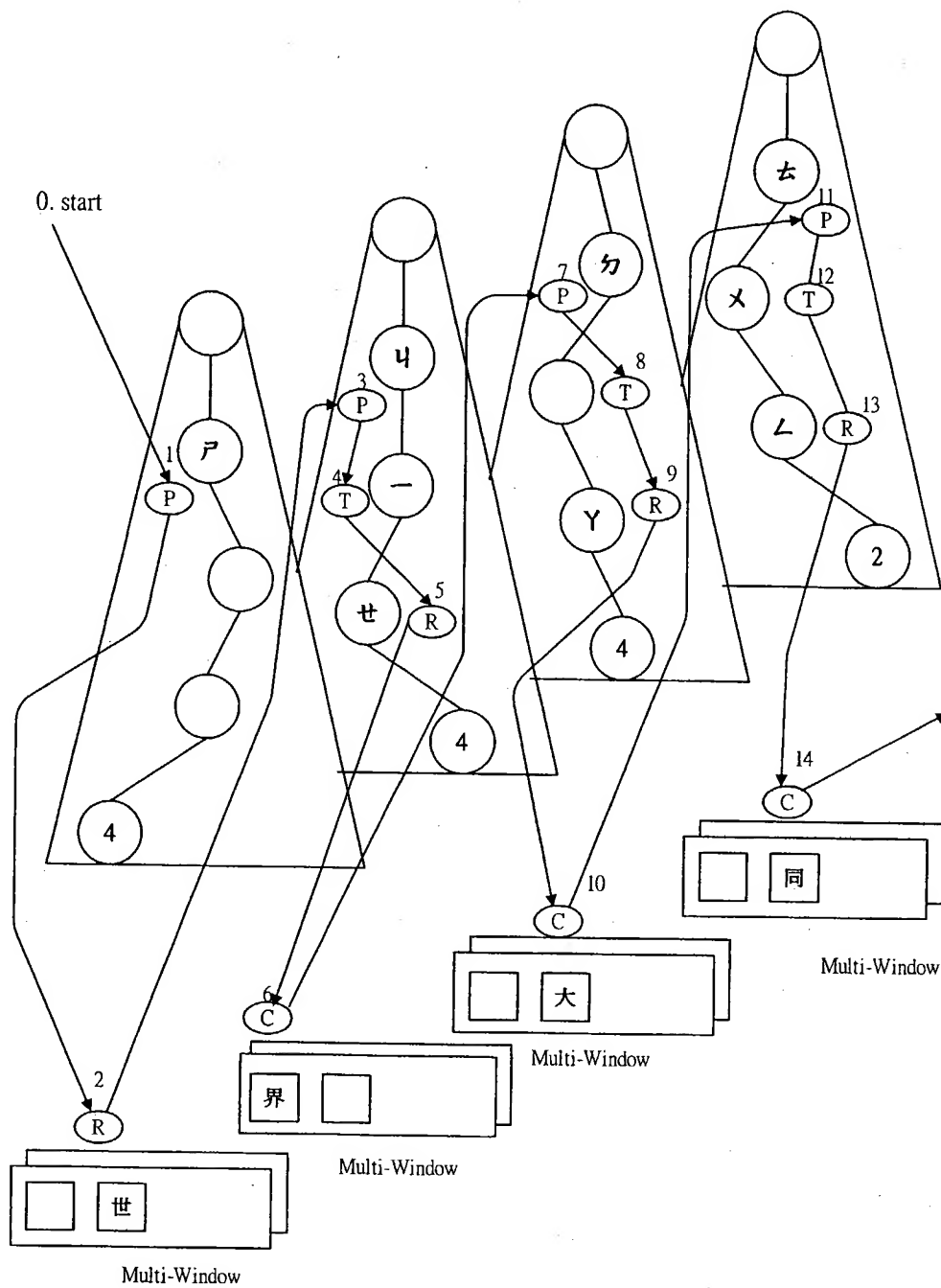


Figure 29. Word-by-word key-in process.

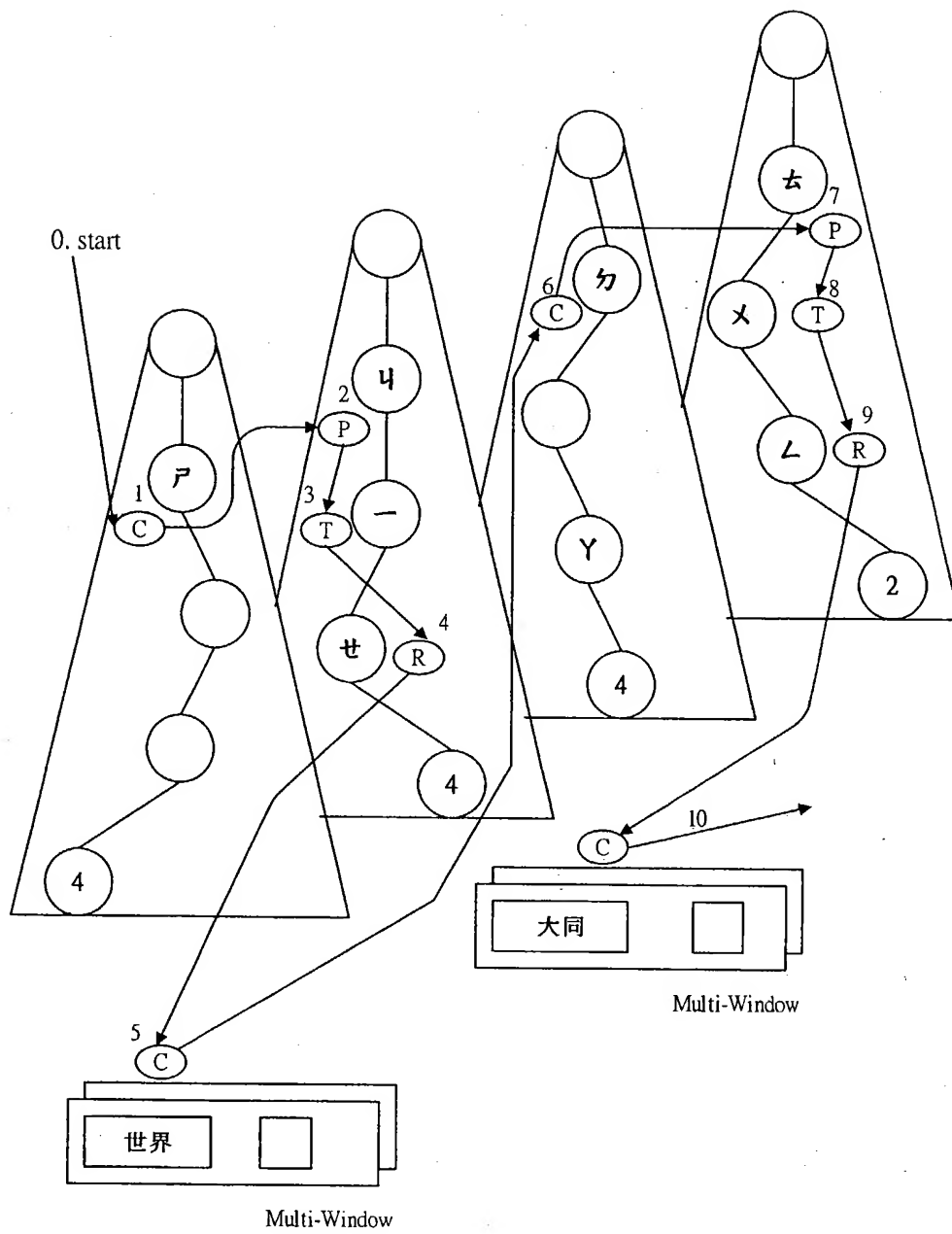
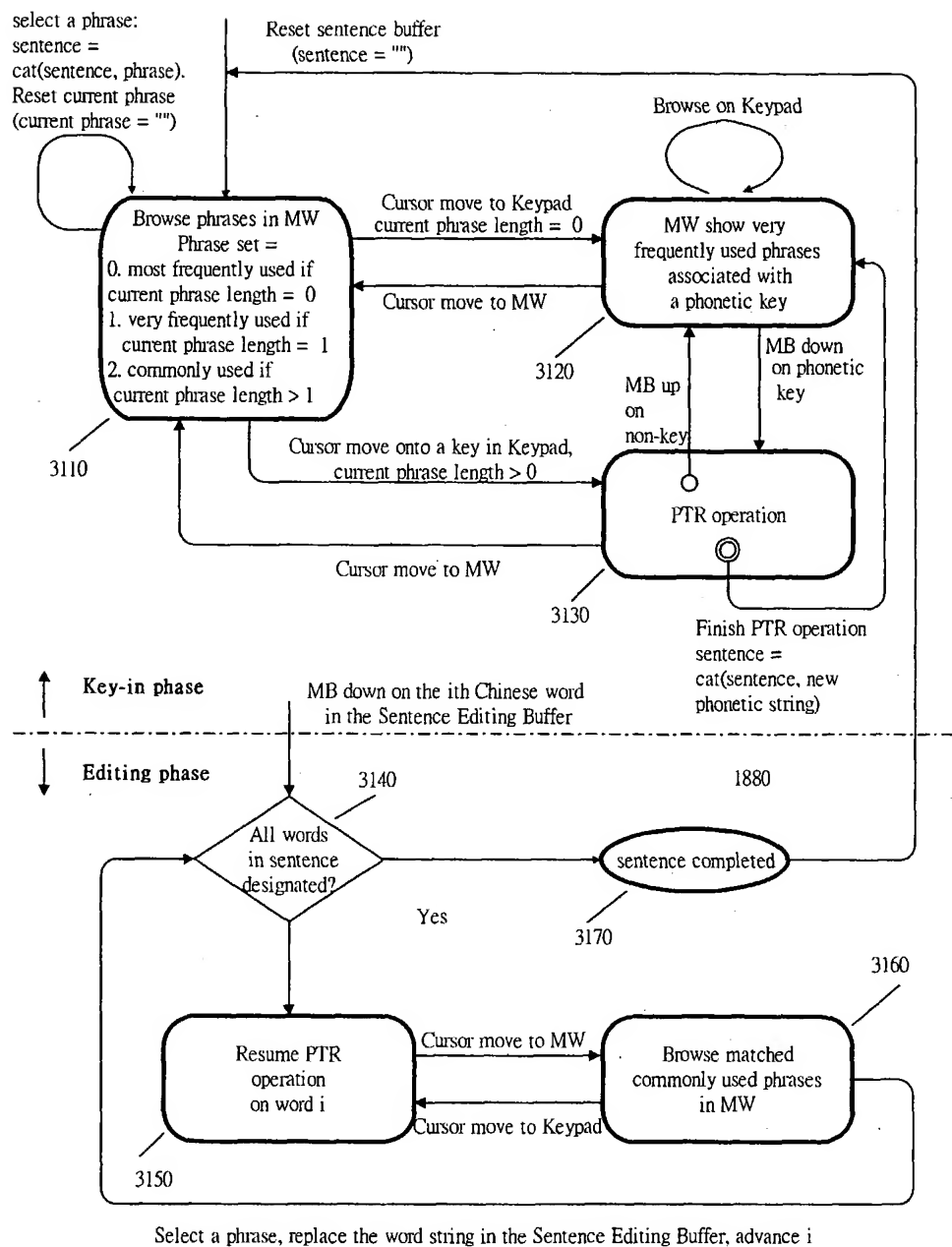


Figure 30. Phrase-by-phrase key-in process.



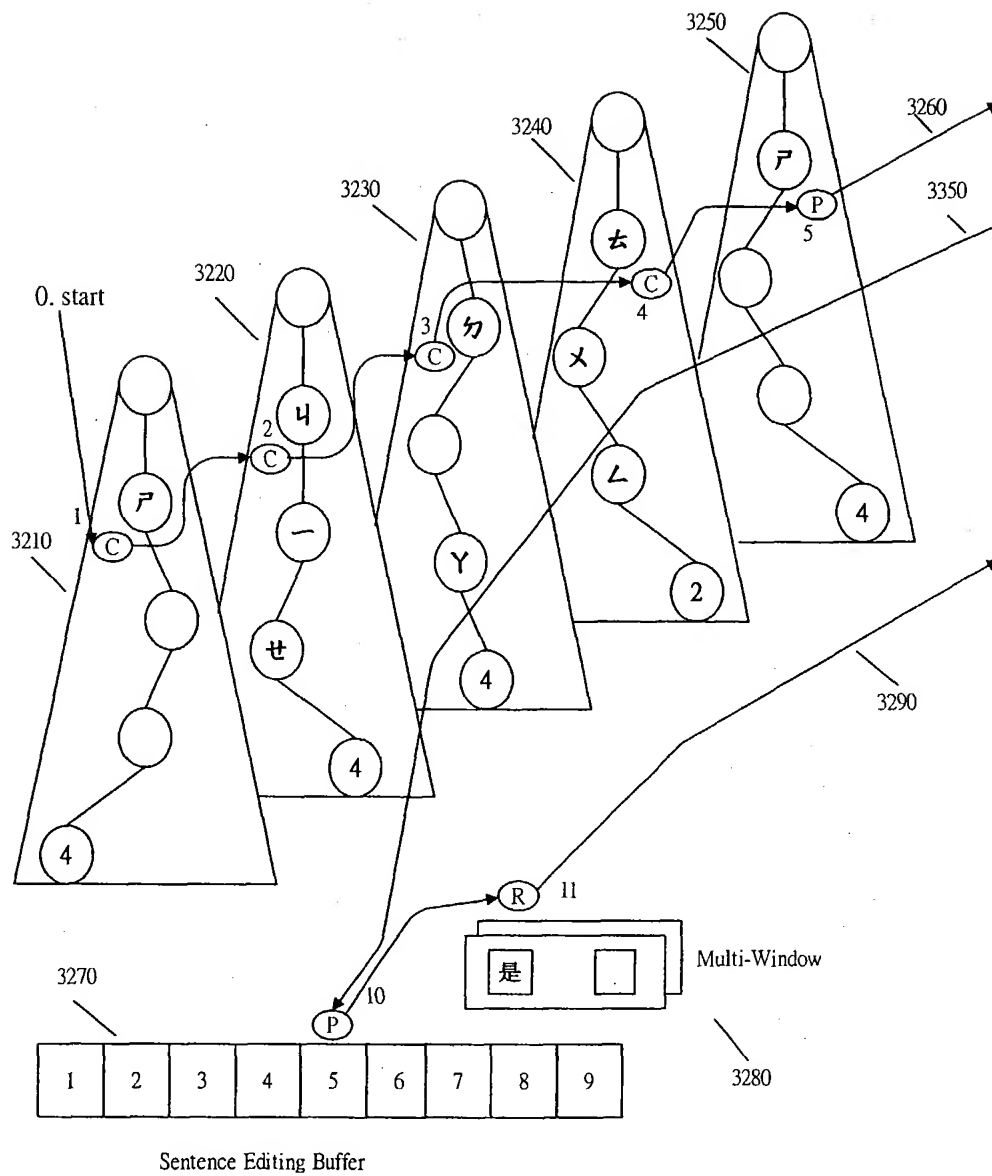


Figure 32. Example of the Two-Phase Sentence Generation Procedure
(in Rapid-Firing mode).

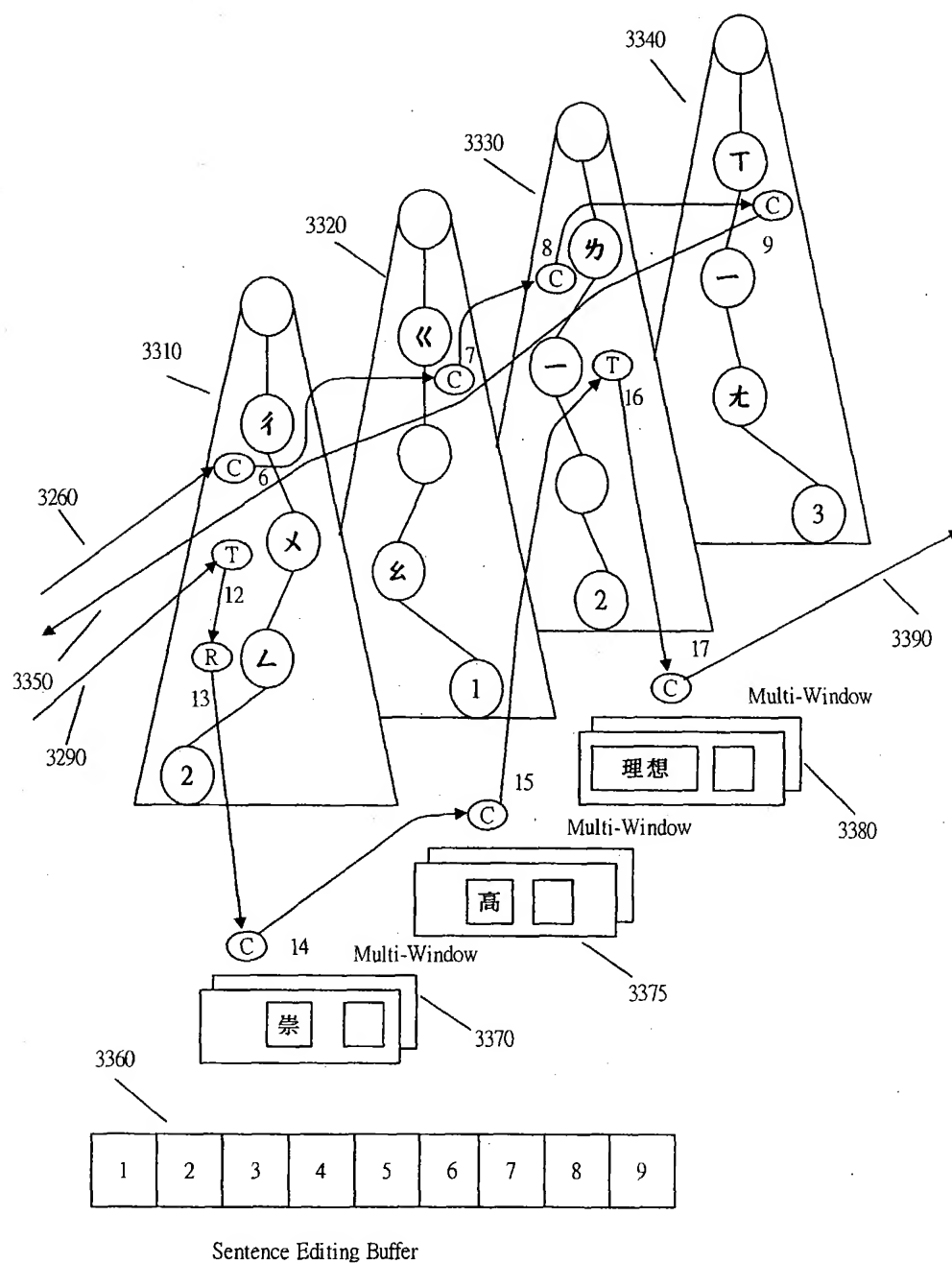


Figure 33. Example of the Two-Phase Sentence Generation Procedure.

(continued from Figure 32)